

Please substitute the paragraph starting at page 8, line 14 and ending at page 9, line 23 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

The lysophosphatidic acids to be used in the present invention may be any lysophosphatidic acids. The phosphatidic acids wherein the fatty acid residue moiety consists only of straight-chain fatty acid residues having an even number of carbon atoms to be used in the present invention include all such phosphatidic acids. The straight-chain fatty acid residues having an even number of carbon atoms include those having 2 to 24, preferably 8 to 18 carbon atoms, such as ethanoyl, butanoyl, hexanoyl, octanoyl, decanoyl, dodecanoyl, tetradecanoyl, hexadecanoyl, octadecanoyl, eicosanoyl, docosanoyl, tetracosanoyl, 2-butenoyl, 3-butenoyl, 3-hexenoyl, 5-hexenoyl, hexadienoyl, octenoyl, decenoyl, dodecenoyl, tetradecenoyl, hexadecenoyl, octadecenoyl, butynoyl, hexynoyl, octynoyl, decynoyl, dodecynoyl, tetradecynoyl, hexadecynoyl, octadecynoyl and tetradec-4-en-8-ynoyl. Of the above lysophosphatidic acids, and phosphatidic acids wherein the fatty acid residue moiety consists only of straight-chain fatty acid residues having an even number of carbon atoms, preferred are compounds represented by formula (I). Examples of the lysophosphatidic acids are monoacetyl lysophosphatidic acid, monopropionyl lysophosphatidic acid, monobutanoyl lysophosphatidic acid, monopentanoyl lysophosphatidic acid, monohexanoyl lysophosphatidic acid, monoheptanoyl lysophosphatidic acid, monooctanoyl lysophosphatidic acid, monononanoyl lysophosphatidic acid, monodecanoyl lysophosphatidic acid, monoundecanoyl lysophosphatidic acid, monolauroyl lysophosphatidic acid, monotridecanoyl lysophosphatidic acid, monomyristoyl lysophosphatidic acid, monopentadecanoyl lysophosphatidic acid, monopalmitoyl lysophosphatidic acid, monoheptadecanoyl lysophosphatidic acid, monostearoyl lysophosphatidic acid and monooleoyl

lysophosphatidic acid. Examples of the phosphatidic acids wherein the fatty acid residue moiety consists only of straight-chain fatty acid residues having an even number of carbon atoms are dioleoyl phosphatidic acid, dimyristoyl phosphatidic acid, dipalmitoyl phosphatidic acid, dilauroyl phosphatidic acid, dioctanoyl phosphatidic acid, didecanoyl phosphatidic acid, distearoyl phosphatidic acid, arachidonoylstearyl phosphatidic acid, 1-oleoyl-2-acetyl phosphatidic acid, 1-lauroyl-2-acetyl phosphatidic acid, 1-myristoyl-2-acetyl phosphatidic acid, 1-palmitoyl-2-acetyl phosphatidic acid, 1-stearoyl-2-acetyl phosphatidic acid and 1-palmitoleoyl-2-acetyl phosphatidic acid.

Please substitute the paragraph at page 14, lines 24-33 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Grape-derived proanthocyanidin can be extracted and purified according to the method described in *Acta Dermato Venereologica*, 78, 428-432 (1998) or a similar method. Procyanidin B-1 [epicatechin-(4 $\beta$ →8)-catechin], procyanidin B-2 [epicatechin-(4 $\beta$ →8)-epicatechin], procyanidin B-3 [catechin-(4 $\alpha$ →8)-catechin] and procyanidin C-1 [epicatechin-(4 $\beta$ →8)-epicatechin-(4 $\beta$ →8)-epicatechin] can be extracted and purified according to the method described in *The Journal of Investigative Dermatology*, 112, 310-316 (1999) or a similar method.

Please substitute the paragraph at page 19, lines 9-19 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Examples of the surfactants are polyoxyethylene (60) hardened castor oil, polyoxyethylene (8) oleyl ether, polyoxyethylene (10) oleyl ether, polyoxyethylene (10)

monooleate, sorbitan monostearate, polyoxyethylene (30) glyceryl monostearate, polyoxyethylene (20) sorbitan monooleate, sucrose fatty acid esters, hexaglycerin monooleate, hexaglycerin monolaurate, polyoxyethylene reduced lanolin, polyoxyethylene (20) lanolin alcohol, polyoxyethylene (25) glyceryl pyroglutamate isostearate, and N-acetylglutamine isostearyl ester.

Please substitute the paragraph at page 21, lines 34-36 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Grape-derived proanthocyanidin was produced according to the method described in Acta Dermato Venereologica, 78, 428-432 (1998).

Please substitute the paragraph at page 22, lines 18-20 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Procyanidin B-2 was produced according to the method described in The Journal of Investigative Dermatology, 112, 310-316 (1999).

Please substitute the paragraph at page 23, lines 1-3 have with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Procyanidin C-1 was produced according to the method described in The Journal of Investigative Dermatology, 112, 310-316 (1999).

Please substitute Table 1 at page 27 with the following replacement Table 1. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Table 1

<u>Test Compound</u>	PKC-IC <sub>50</sub> μmol/l	PKA-IC <sub>50</sub> μmol/l	PKA-IC <sub>50</sub> / μmol/l
Calphostin C	0.05	>50	>1000
Hexadecyl- phosphocholine	94	>1000	>10.6
Palmitoyl-DL- carnitine	230	>1000	>4.3
Polymyxin B	2.6	>1000	>384

Please substitute the paragraph starting at page 31, line 12 and ending at page 32, line 3 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Nine-weeks-old male C3H/HeSlc mice whose hair cycle was in the telogen were divided into groups each consisting of 4 or 5 mice. Hair on the back of each mouse was shaven using electric hair clippers and an electric shaver. Then, the compositions prepared in Examples 1-13 were applied on the shaven part in an amount of 200 μl once per day. To the mice of control groups were applied compositions 2 and 16 respectively in the same manner.

Please substitute the paragraph starting at page 32, line 14 and ending at page 33, line 11 with the following replacement paragraph. A marked-up copy of this paragraph, showing the changes made thereto, is attached.

Table 3 (1) Hair growth-promoting effect of lysophosphatidic acid on mouse

Composition	Rate of increased hair-grown area (%)
2 (Control group)	0
1	35
3	60
4	45
5	64
6	51
7	67
8	57
9	68
10	60
11	73
12	63
13	60
14	45

Table 3 (2) Hair growth-promoting effect of phosphatidic acids on mouse

Composition	Rate of increased hair-grown area (%)
16 (Control group)	0
15	44
17	51
18	40
19	55
20	44
21	58
22	46
23	52
24	39
25	41

As shown in Table 3, the hair-growing agents comprising lysophosphatidic acid or phosphatidic acid of the present invention exhibited a significant hair growth-promoting effect on mouse. The hair growth-promoting effect of proanthocyanidin, protein kinase C-specific inhibitors and tocopherol on hair follicles was reinforced by using them together with the